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SEP 11 2007

**AMENDMENTS TO THE CLAIMS**

Please amend claims 1, 6-23, 25-28, 30, 31, 36-53, 55-58, and 60; and, add new claims 61-66. This listing of claims will replace all prior versions and listings of the claims in this application.

**CLAIMS**

What is claimed is:

- 1           1.       (Currently Amended) A robot system, comprising:  
2           a ~~mobile~~ robot that has a camera and a monitor;  
3           a first remote station that can access said ~~mobile~~ robot; and,  
4           a second remote station that can access said robot and includes an arbitrator that can  
5       control access to said ~~mobile~~ robot by said first and second remote stations.
- 1           2.       (Original) The system of claim 1, wherein said arbitrator includes a notification  
2       mechanism.
- 1           3.       (Original) The system of claim 1, wherein said arbitrator includes a timeout  
2       mechanism.
- 1           4.       (Original) The system of claim 1, wherein said arbitrator includes a queue  
2       mechanism.

1           5.     (Original) The system of claim 1, wherein said arbitrator includes a call back  
2 mechanism.

1           6.     (Currently Amended) The system of claim 1, wherein said second remote station  
2 can access said ~~mobile~~ robot, and said first and second remote stations each have a priority and  
3 said arbitrator provides robot access to said remote station with a highest priority.

1           7.     (Currently Amended) The system of claim 6, wherein said remote stations may  
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~of~~  
3 another ~~mobile~~ robot.

1           8.     (Currently Amended) The system of claim 1, wherein said ~~mobile~~ robot operates  
2 in either an exclusive mode or a sharing mode.

1           9.     (Currently Amended) The system of claim 1, wherein said first remote station  
2 transmits a communication for said ~~mobile~~ robot that is initially transmitted to said second  
3 remote station.

1           10.    (Currently Amended) The system of claim 1, wherein said first remote station  
2 sends a communication for said ~~mobile~~ robot that is initially transmitted to said ~~mobile~~ robot.

1           11.    (Currently Amended) A robot system, comprising:  
2 a ~~mobile~~ robot that has a camera and a monitor;  
3 a first remote station that can access said ~~mobile~~ robot; and,

4 a second remote station that can access said robot and includes arbitration means for  
5 controlling access to said ~~mobile~~ robot by said first and second remote stations.

1 12. (Currently Amended) The system of claim 11, wherein said arbitrator means  
2 includes notification means for notifying said first remote station that said second remote station  
3 is requesting access to said ~~mobile~~ robot.

1 13. (Currently Amended) The system of claim 11, wherein said arbitrator means  
2 includes timeout means that creates a time interval in which one of said remote stations must  
3 relinquish access to said ~~mobile~~ robot.

1 14. (Currently Amended) The system of claim 11, wherein said arbitrator means  
2 includes queue means for establishing a waiting list of remote stations seeking access to said  
3 ~~mobile~~ robot.

1 15. (Currently Amended) The system of claim 11, wherein said arbitrator means  
2 includes call back means for providing a message to one of said remote stations that said ~~mobile~~  
3 robot can be accessed.

1 16. (Currently Amended) The system of claim 11, wherein said second remote  
2 station can access said ~~mobile~~ robot, and said first and second remote stations each have a  
3 priority and said arbitrator means provides robot access to said remote station with a highest  
4 priority.

1 17. (Currently Amended) The system of claim 16, wherein said remote stations may  
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user or  
3 ~~another mobile robot.~~

1 18. (Currently Amended) The system of claim 11, wherein said ~~mobile robot~~  
2 operates in either an exclusive mode or a sharing mode.

1 19. (Currently Amended) The system of claim 11, wherein said first remote station  
2 transmits a communication for said ~~mobile robot~~ that is initially transmitted to said second  
3 remote station.

1 20. (Currently Amended) The system of claim 11, wherein said first remote station  
2 sends a communication for said ~~mobile robot~~ that is initially transmitted to said ~~mobile robot~~.

1 21. (Currently Amended) A method for controlling access to a remote controlled  
2 robot, comprising:  
3 transmitting a request to access a ~~mobile robot~~ from a first remote station;  
4 determining whether the first remote station should have access to the ~~mobile robot~~ at a  
5 second remote station that can access the robot;  
6 allowing access to the ~~mobile robot~~; and,  
7 transmitting video images between the robot and the first remote station.

1        22.    (Currently Amended)    The method of claim 21, further comprising requesting  
2    access to the ~~mobile~~ robot from the second remote station and notifying the first remote station of  
3    the request.

1        23.    (Currently Amended)    The method of claim 22, wherein the second remote  
2    station creates a time interval in which the first remote station must relinquish access to the  
3    ~~mobile robot~~.

1        24.    (Original)    The method of claim 22, wherein the request from the second remote  
2    station is placed in a waiting list queue.

1        25.    (Currently Amended)    The method of claim 21, further comprising transmitting a  
2    call back message from the second remote station to the first remote station to indicate the  
3    granting of access to the ~~mobile~~ robot.

1        26.    (Currently Amended)    The method of claim 21, wherein the access request  
2    includes a priority that is evaluated by the second remote station to determine access to the  
3    ~~mobile robot~~.

1        27.    (Currently Amended)    The method of claim 26, wherein the remote stations may  
2    be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~or~~  
3    ~~another mobile robot~~.

1        28.    (Currently Amended)    The method of claim 25, wherein the ~~mobile~~ robot  
2    operates in either an exclusive mode or a sharing mode.

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1        29.    (Original)   The method of claim 25, wherein the access request is initially  
2        transmitted to the second remote station.

1        30.    (Currently Amended)   The method of claim 25, wherein the access request is  
2        initially transmitted to the ~~mobile~~ robot.

1        31.    (Currently Amended)   A robot system, comprising:  
2        a broadband network;  
3        a ~~mobile~~ robot that is coupled to said broadband network, and has a camera and a  
4        monitor;  
5        a first remote station that can access said ~~mobile~~ robot through said broadband network;  
6        and,  
7        a second remote station that can access said robot and includes an arbitrator that can  
8        control access to said ~~mobile~~ robot by said first and second remote stations.

1        32.    (Original)   The system of claim 31, wherein said arbitrator includes a notification  
2        mechanism.

1        33.    (Original)   The system of claim 31, wherein said arbitrator includes a timeout  
2        mechanism.

1        34.    (Original)   The system of claim 31, wherein said arbitrator includes a queue  
2        mechanism.

1 35. (Original) The system of claim 31, wherein said arbitrator includes a call back  
2 mechanism.

1 36. (Currently Amended) The system of claim 31, wherein said second remote  
2 station can access said ~~mobile~~ robot, and said first and second remote stations each have a  
3 priority and said arbitrator provides robot access to said remote station with a highest priority.

1 37. (Currently Amended) The system of claim 36, wherein said remote stations may  
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~or~~  
3 ~~another mobile robot.~~

1 38. (Currently Amended) The system of claim 31, wherein said ~~mobile~~ robot  
2 operates in either an exclusive mode or a sharing mode.

1 39. (Currently Amended) The system of claim 31, wherein said first remote station  
2 transmits a communication for the ~~mobile~~ robot that is initially transmitted to said second remote  
3 station.

1 40. (Currently Amended) The system of claim 31, wherein said first remote station  
2 sends a communication for said ~~mobile~~ robot that is initially transmitted to said ~~mobile~~ robot.

1 41. (Currently Amended) A robot system, comprising:  
2 a broadband network;  
3 a ~~mobile~~ robot that is coupled to said broadband network, and has a camera and a  
4 monitor,

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5 a first remote station that can access said ~~mobile~~ robot through said broadband network;  
6 and,  
7 a second remote station that can access said robot and includes arbitration means for  
8 controlling access to said robot by said first and second remote stations.

1 42. (Currently Amended) The system of claim 41, wherein said arbitrator means  
2 includes notification means for notifying said first remote station that said second remote station  
3 is requesting access to said ~~mobile~~ robot.

1 43. (Currently Amended) The system of claim 41, wherein said arbitrator means  
2 includes timeout means that creates a time interval in which one of said remote stations must  
3 relinquish access to said ~~mobile~~ robot.

1 44. (Currently Amended) The system of claim 41, wherein said arbitrator means  
2 includes queue means for establishing waiting list of remote stations seeking access to said  
3 ~~mobile~~ robot.

1 45. (Currently Amended) The system of claim 41, wherein said arbitrator means  
2 includes call back means for providing a message to one of said remote stations that said ~~mobile~~  
3 robot can be accessed.

1 46. (Currently Amended) The system of claim 41, wherein said second remote  
2 station can access said ~~mobile~~ robot, and said first and second remote stations each have a  
3 priority and said arbitrator means provides robot access to said remote station with a highest  
4 priority.



1           47.   (Currently Amended) The system of claim 46, wherein said remote stations may  
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user-~~or~~  
3 ~~another mobile robot.~~

1           48.   (Currently Amended) The system of claim 41, wherein said ~~mobile~~ robot  
2 operates in either an exclusive mode or a sharing mode.

1           49.   (Currently Amended) The system of claim 41, wherein said first remote station  
2 transmits a communication for said ~~mobile~~ robot that is initially transmitted to said second  
3 remote station.

1           50.   (Currently Amended) The system of claim 41, wherein said first remote station  
2 sends a communication for said ~~mobile~~ robot that is initially transmitted to said ~~mobile~~ robot.

1           51.   (Currently Amended) A method for controlling access to a remote controlled  
2 robot, comprising:  
3           transmitting a request to access a ~~mobile~~ robot from a first remote station through a  
4 broadband network;  
5           determining whether the first remote station should have access to the ~~mobile~~ robot at a  
6 second remote station that can access the robot;  
7           allowing access to the ~~mobile~~ robot through the broadband network; and,  
8           transmitting video images between the robot and the first remote station between the  
9 broadband network.

1           52.   (Currently Amended) The method of claim 51, further comprising requesting  
2 access to the ~~mobile~~ robot from the second remote station and notifying the first remote station of  
3 the request.

1           53.   (Currently Amended) The method of claim 52, wherein the second remote  
2 station creates a time interval in which the first remote station must relinquish access to the  
3 ~~mobile~~ robot.

1           54.   (Original) The method of claim 52, wherein the request from the second remote  
2 station is placed in a waiting list queue.

1           55.   (Currently Amended) The method of claim 51, further comprising transmitting a  
2 call back message from the second remote station to the first remote station to indicate the  
3 granting of access to the ~~mobile~~ robot.

1           56.   (Currently Amended) The method of claim 51, wherein the access request  
2 includes a priority that is evaluated by the second remote station to determine access to the  
3 ~~mobile~~ robot.

1           57.   (Currently Amended) The method of claim 56, wherein the remote stations may  
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~or~~  
3 ~~another mobile robot.~~

1           58.   (Currently Amended) The method of claim 51, wherein the ~~mobile~~ robot  
2 operates in either an exclusive mode or a sharing mode.

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1           59.   (Original) The method of claim 51, wherein the access request is initially  
2   transmitted to the second remote station.

1           60.   (Currently Amended) The method of claim 51, wherein the access request is  
2   initially transmitted to the ~~mobile~~ robot.

1           61.   (New) The method of claim 1, wherein the robot is mobile.

1           62.   (New) The system of claim 11, wherein said robot is mobile.

1           63.   (New) The system of claim 21, wherein said robot is mobile.

1           64.   (New) The system of claim 31, wherein said robot is mobile.

1           65.   (New) The system of claim 41, wherein said robot is mobile.

1           66.   (New) The method of claim 51, wherein the robot is mobile.